

FIG. 1A

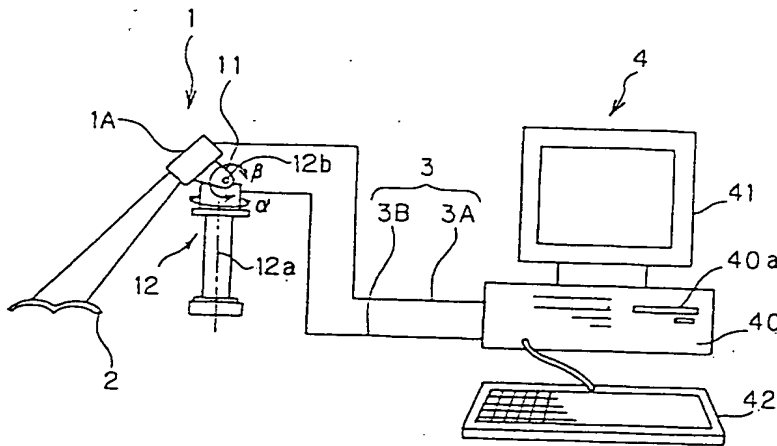
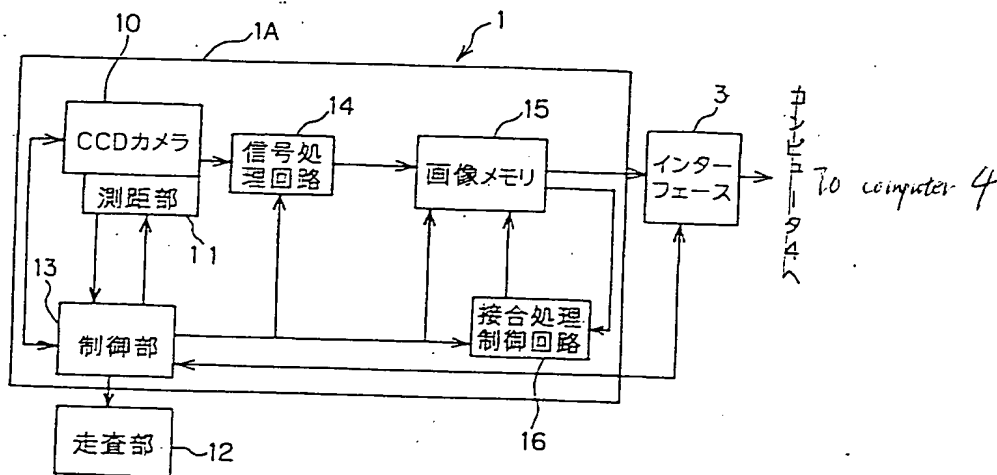


FIG. 1B



- 3: interface
- 10: CCD camera
- 11: distance measurement unit
- 12: scanner
- 13: controller
- 14: signal processor
- 15: image memory
- 16: synthesization controller

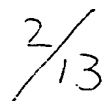
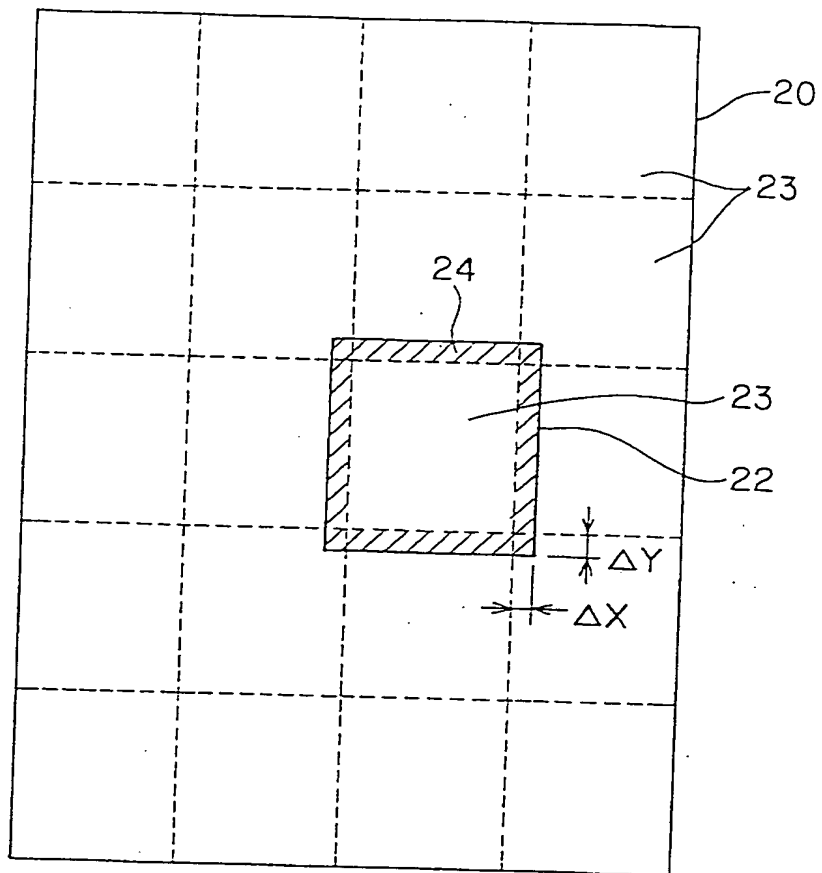


FIG. 3



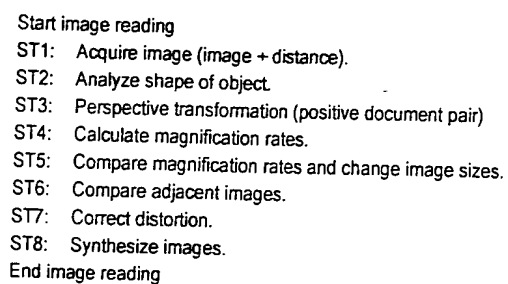
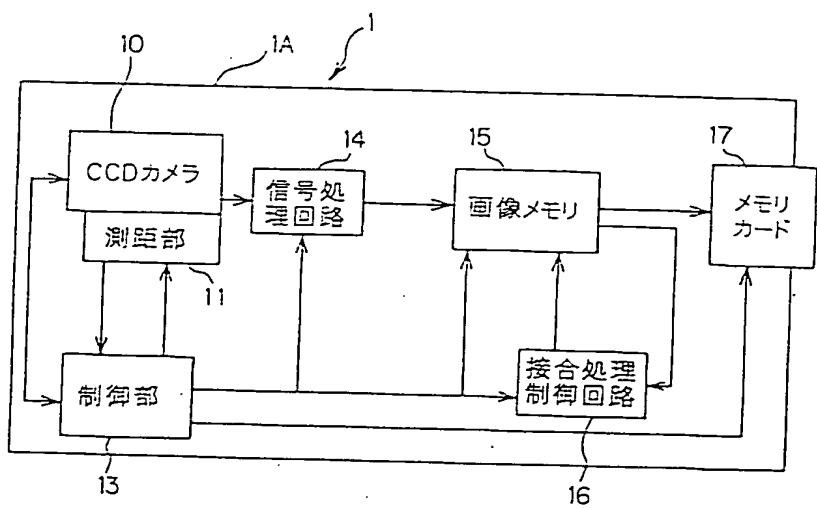
[illegible]

FIG. 5



- 10: CCD camera
- 11: distance measurement unit
- 13: controller
- 14: signal processor
- 15: image memory
- 16: synthesization controller
- 17: memory card

FIG. 6

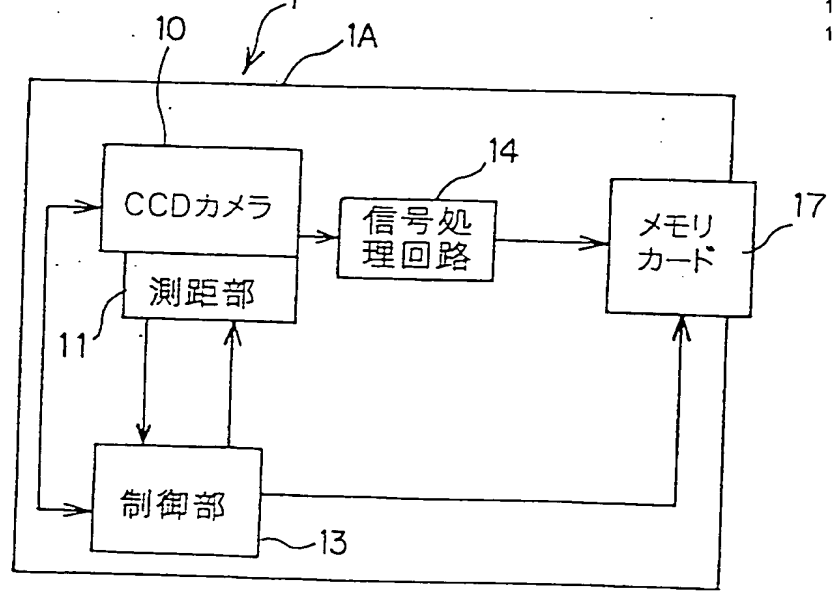


FIG. 7A

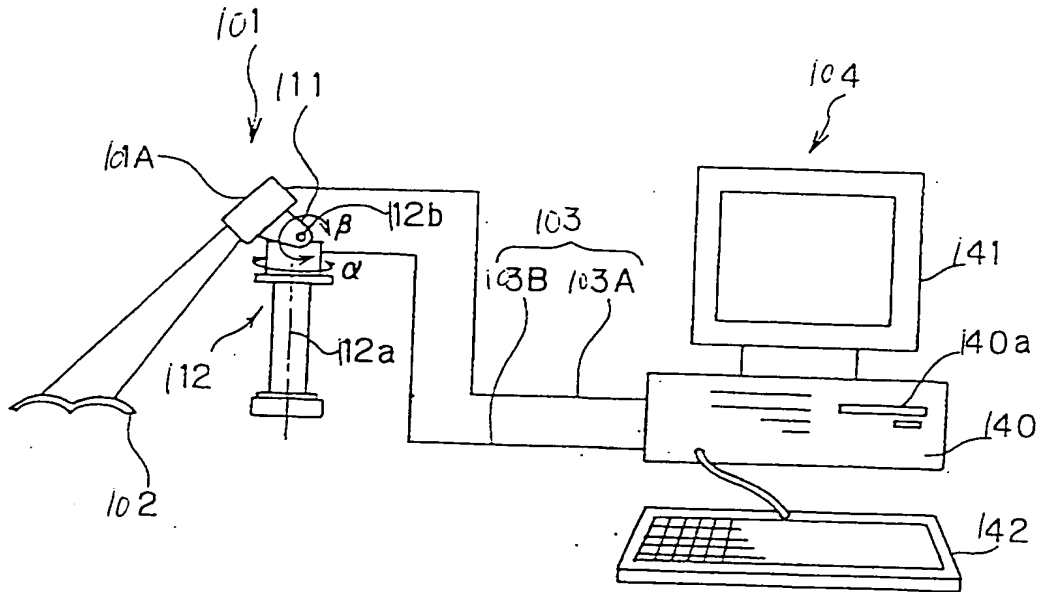


FIG. 7B

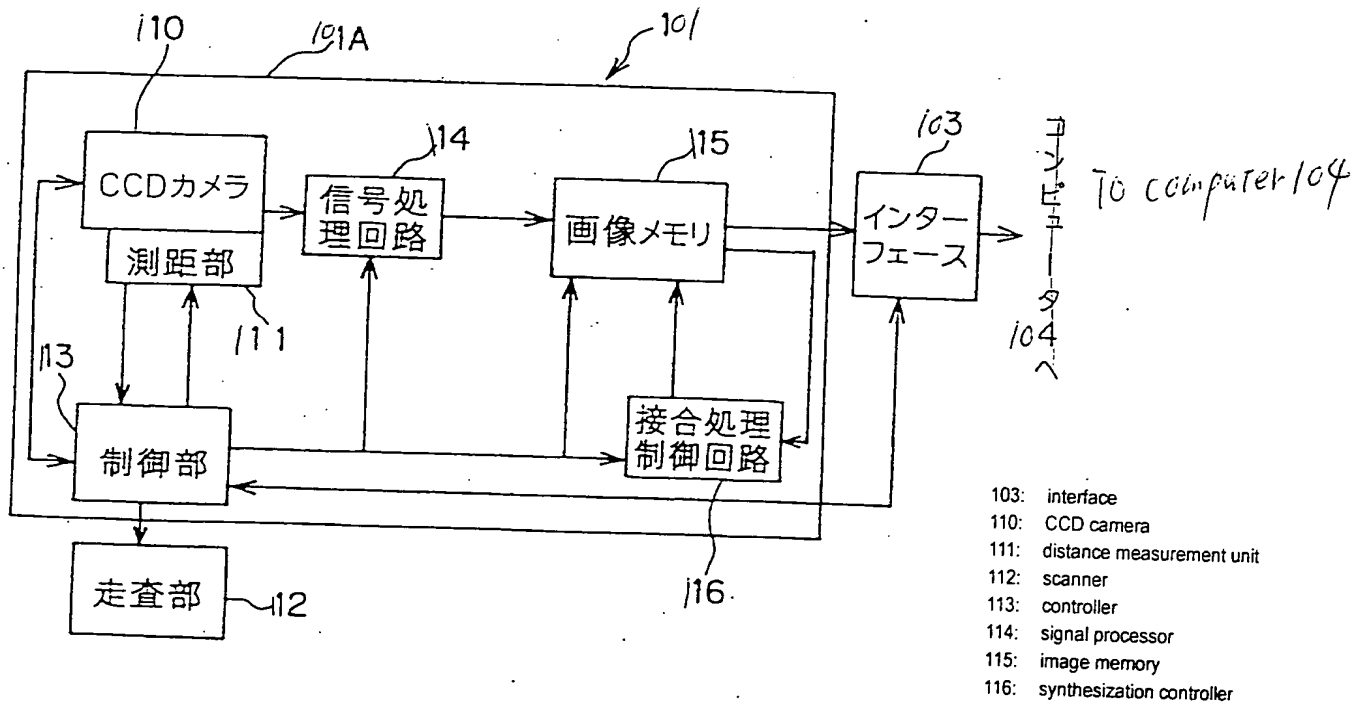
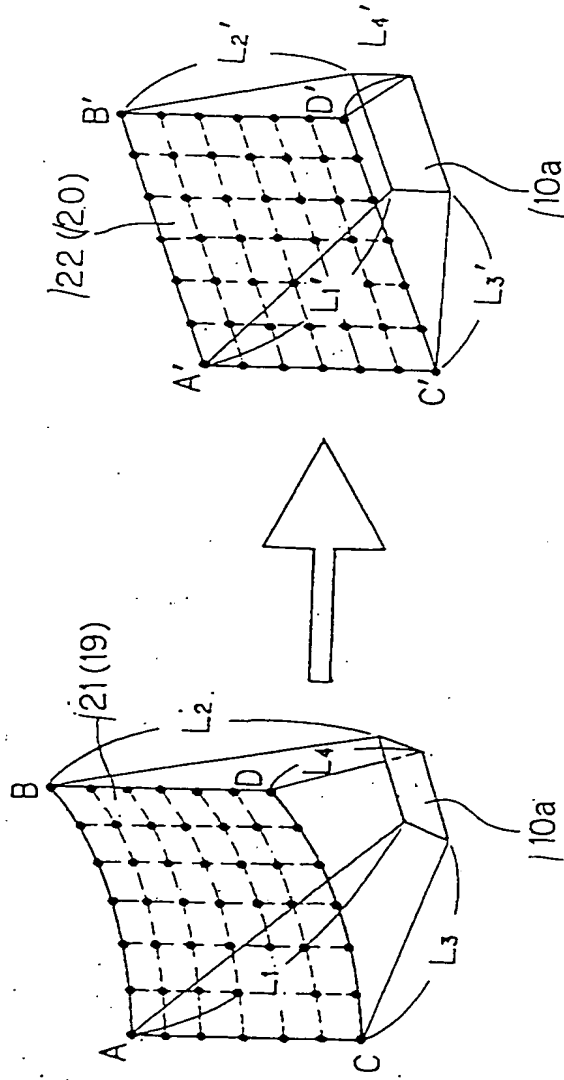


FIG. 8



9/13

FIG. 10A

(20)



FIG. 10B

(20)



/20a

/20b

00227 557760

10/13

FIG. 11A

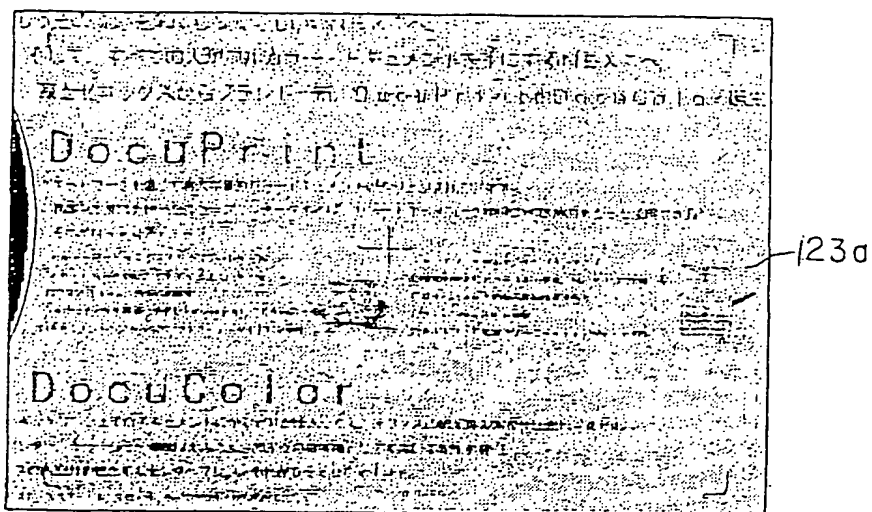


FIG. 11B

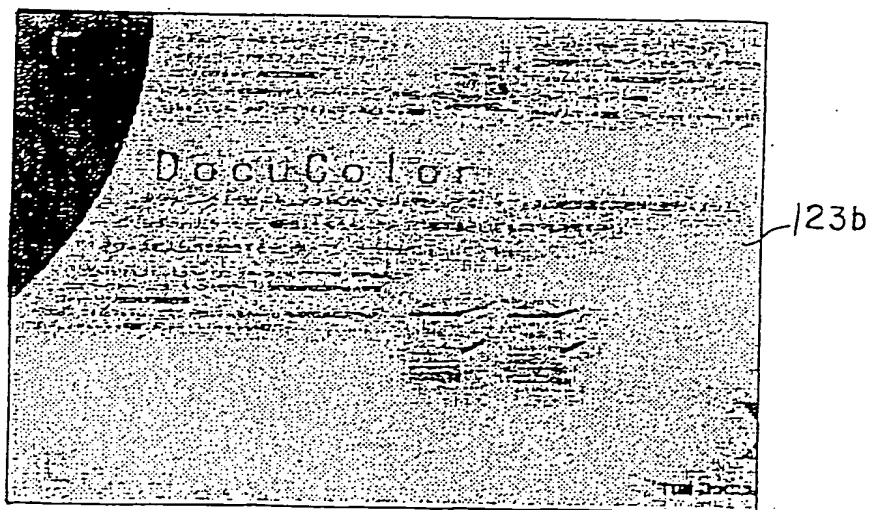


FIG. 11C



00747155-11200

FIG. 12A

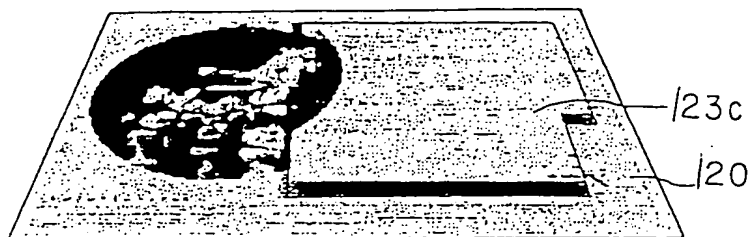


FIG. 12B

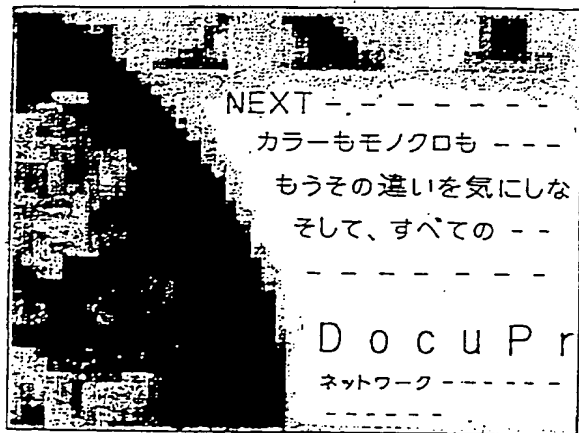
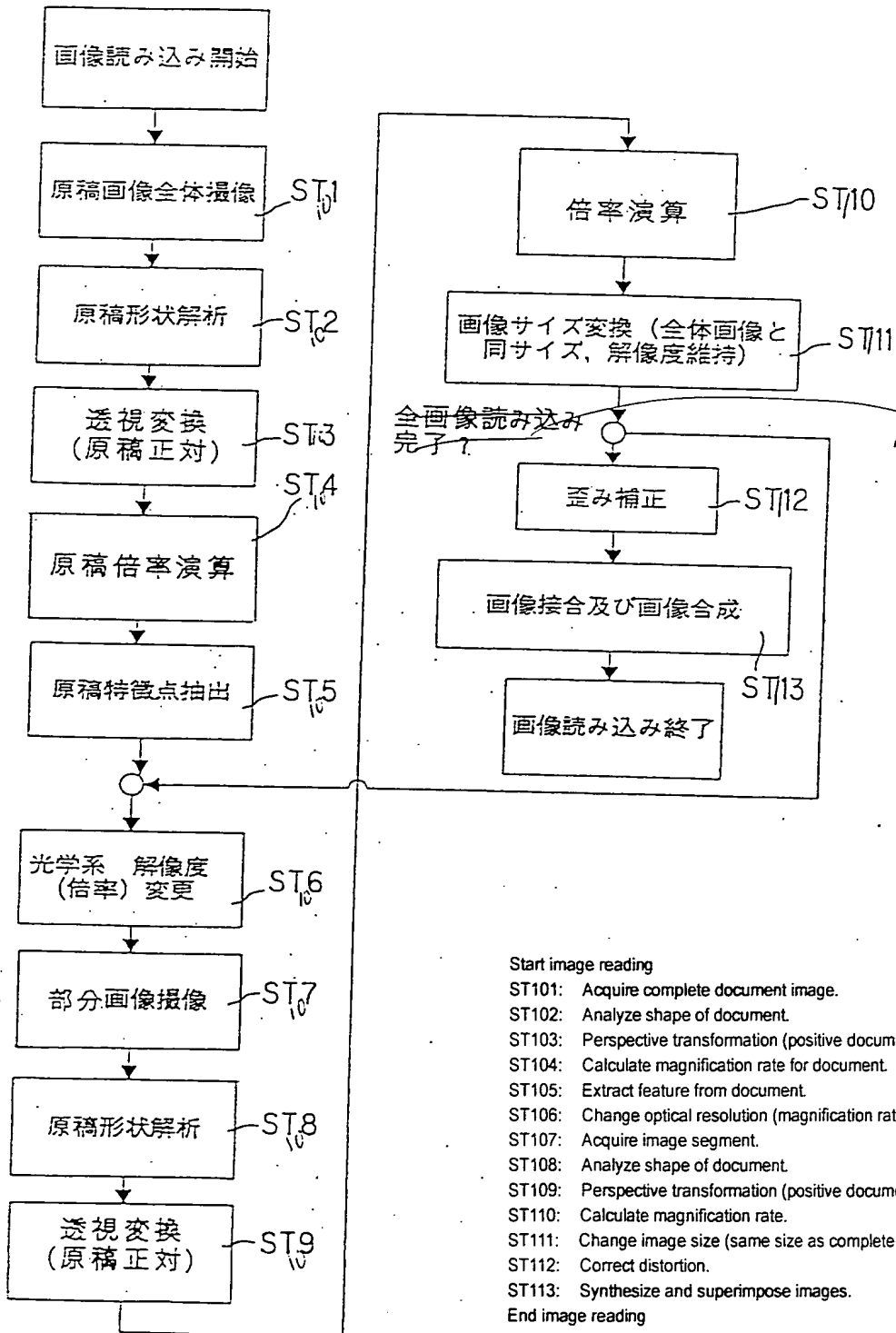


FIG. 13



Start image reading

ST101: Acquire complete document image.

ST102: Analyze shape of document.

ST103: Perspective transformation (positive document pair)

ST104: Calculate magnification rate for document.

ST105: Extract feature from document.

ST106: Change optical resolution (magnification rate).

ST107: Acquire image segment.

ST108: Analyze shape of document.

ST109: Perspective transformation (positive document pair).

ST110: Calculate magnification rate.

ST111: Change image size (same size as complete image, maintain resolution).

ST112: Correct distortion.

ST113: Synthesize and superimpose images.

End image reading

110: CCD camera
111: distance measurement unit
113: controller
114: signal processor
115: image memory
116: synthesization controller
117: memory card

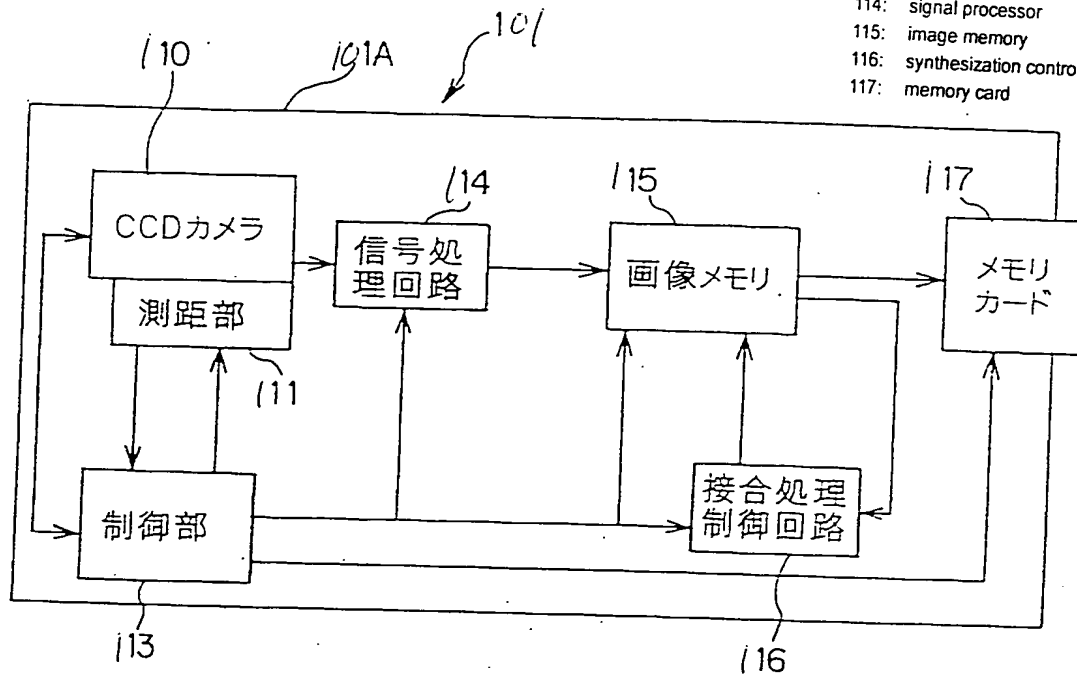


FIG. 15

